

Title (en)

METHOD FOR PRODUCING A FOAMED MATERIAL, COMPOSITION IN THE FORM OF AN EMULSION USED IN SAID METHOD, AND FOAMED MATERIAL THAT CAN BE OBTAINED FROM SAID METHOD

Title (de)

VERFAHREN ZUR HERSTELLUNG EINES GESCHÄUMTEN MATERIALS, HIERBEI EINGESETZTE EMULSIONSFÖRMIGE ZUSAMMENSETZUNG UND HIERAUS ERHÄLTLICHES GESCHÄUMTES MATERIAL

Title (fr)

PROCÉDÉ DE FABRICATION D'UN MATÉRIAU EXPANSÉ, COMPOSITION SOUS FORME D'ÉMULSION UTILISÉE DANS CE CADRE ET MATÉRIAU EXPANSÉ POUVANT ÊTRE OBTENU PAR LEDIT PROCÉDÉ

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Abstract (en)

[origin: CA2816772A1] The invention relates to a method for producing a foamed material, wherein a composition in the form of an emulsion having a matrix-forming component, a surfactant component, and a near-critical or supercritical foaming agent component experiences a pressure reduction. Furthermore, the foaming agent component comprises a hydrophobic co-component, which is soluble in supercritical CO₂ at a pressure = 150 bar, insoluble in subcritical CO₂ at a pressure = 40 bar, and insoluble in the matrix-forming component and furthermore is present in a fraction from = 3 wt % to = 35 wt % of the foaming agent component. The invention further relates to a composition in the form of an emulsion to be used therein and to a foamed material that can be obtained according to said method.

IPC 8 full level

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